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a gate electrode adjacent to said channel forming region having said gate insulating film therebetween,

wherein said channel forming region has no grain boundary, and

wherein said semiconductor island includes a spin density not higher than $1 \times 10^{17} \text{ cm}^{-3}$,

wherein said crystalline semiconductor island includes at least one of hydrogen and halogen element at concentration not higher than $1 \times 10^{20} \text{ cm}^{-3}$.

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80. (Twice Amended) A thin film transistor comprising:

a crystalline semiconductor island on an insulating surface;

source and drain regions in said semiconductor island;

a channel forming region between said source and drain regions;

a gate insulating film on at least said channel forming region;

a gate electrode over said channel forming region having said gate insulating film therebetween,

wherein said channel forming region has no grain boundary, and

wherein said semiconductor island includes a point defect of $1 \times 10^{16} \text{ cm}^{-3}$ or more, and at least one of hydrogen and halogen element at concentration not higher than $1 \times 10^{20} \text{ cm}^{-3}$.

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87. (Amended) A semiconductor device comprising:

a crystalline semiconductor island on an insulating surface;

source and drain regions in said semiconductor island;

a channel forming region between said source and drain regions;

a gate insulating film adjacent to at least said channel forming region;

a gate electrode adjacent to said channel forming region having said gate insulating film therebetween,

wherein said crystalline semiconductor island is formed in a monodomain region which contains no grain boundary,

wherein at least one of hydrogen and halogen element is contained at concentration not higher than $1 \times 10^{20} \text{ cm}^{-3}$,

wherein the semiconductor device includes a p-channel thin film transistor having a mobility in a range of $200\text{-}400\text{ cm}^2/\text{Vs}$.

93. (Amended) A semiconductor device comprising:

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a crystalline semiconductor island on an insulating surface;
source and drain regions in said semiconductor island;
a channel forming region between said source and drain regions;
a gate insulating film adjacent to at least said channel forming region;
a gate electrode adjacent to said channel forming region having said gate insulating film therebetween,

wherein said channel forming region is formed in a monodomain region which contains no grain boundary,

wherein said crystalline semiconductor island includes at least one of hydrogen and halogen element at concentration not higher than $1 \times 10^{20}\text{ cm}^{-3}$,

wherein the semiconductor device includes at least one n-channel thin film transistor having a mobility in a range of $500\text{-}1000\text{ cm}^2/\text{Vs}$.

99. (Twice Amended) A semiconductor device comprising:

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a p-channel thin film transistor;
an n-channel thin film transistor;
each of said p-channel thin film transistor and said n-channel thin film transistor comprising:

a crystalline semiconductor island on an insulating surface;
source and drain regions in said semiconductor island;
a channel forming region between said source and drain regions;
a gate insulating film adjacent to at least said channel forming region;
a gate electrode adjacent to said channel forming region having said gate insulating film therebetween,

wherein said crystalline semiconductor island is formed in a monodomain region which contains no grain boundary,

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wherein said crystalline semiconductor island includes at least one of
hydrogen and halogen element at concentration not higher than $1 \times 10^{20} \text{ cm}^{-3}$.

105. (Twice Amended) A semiconductor device comprising:

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a p-channel thin film transistor;
an n-channel thin film transistor;
each of said p-channel thin film transistor and said n-channel thin film
transistor comprising:

a crystalline semiconductor island on an insulating surface;
source and drain regions in said semiconductor island;
a channel forming region between said source and drain regions;
a gate insulating film adjacent to at least said channel forming region;
a gate electrode adjacent to said channel forming region having said gate
insulating film therebetween,

wherein said crystalline semiconductor island includes carbon at a
concentration not higher than $5 \times 10^{18} \text{ cm}^{-3}$,

wherein said channel forming region is formed in a monodomain region
which contains no grain boundary,

wherein said crystalline semiconductor island includes at least one of
hydrogen and halogen element at concentration not higher than $1 \times 10^{20} \text{ cm}^{-3}$.

111. (Twice Amended) A semiconductor device comprising:

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an active matrix circuit portion including at least a first thin film
transistor;

a driving circuit portion including at least a second thin film transistor;
said second thin film transistor comprising:

a crystalline semiconductor island on an insulating surface;
source and drain regions in said semiconductor island;
a channel forming region between said source and drain regions;
a gate insulating film adjacent to at least said channel forming region;

a gate electrode adjacent to said channel forming region having said gate insulating film therebetween,

wherein said crystalline semiconductor island is formed in a monodomain region which contains no grain boundary,

wherein said crystalline semiconductor island includes at least one of hydrogen and halogen element at concentration not higher than $1 \times 10^{20} \text{ cm}^{-3}$.

123. (Twice Amended) A semiconductor device comprising:

a crystalline semiconductor island on an insulating surface;

source and drain regions in said semiconductor island;

a channel forming region between said source and drain regions;

a gate insulating film adjacent to at least said channel forming region;

a gate electrode adjacent to said channel forming region having said gate insulating film therebetween,

wherein said crystalline semiconductor island includes carbon and nitrogen at a concentration not higher than $5 \times 10^{18} \text{ cm}^{-3}$,

wherein said crystalline semiconductor island is formed in a monodomain region which contains no grain boundary,

wherein said semiconductor device has a S value of 0.03-0.3,

wherein said crystalline semiconductor island includes at least one of hydrogen and halogen element at concentration not higher than $1 \times 10^{20} \text{ cm}^{-3}$,

wherein the semiconductor device includes at least one selected from the group consisting of a p-channel thin film transistor and an n-channel thin film transistor,

wherein the p-channel thin film transistor has a mobility in a range of $200\text{-}400 \text{ cm}^2/\text{Vs}$ while the n-channel thin film transistor has a mobility in a range of $500\text{-}1000 \text{ cm}^2/\text{Vs}$.

129. (Twice Amended) A semiconductor device comprising:

a crystalline semiconductor island on an insulating surface;

source and drain regions in said semiconductor island;

a channel forming region between said source and drain regions;
a gate insulating film adjacent to at least said channel forming region;
a gate electrode adjacent to said channel forming region having said gate insulating film therebetween,

wherein said crystalline semiconductor island includes carbon and nitrogen at a concentration not higher than $5 \times 10^{18} \text{ cm}^{-3}$,

wherein said channel forming region is formed in a monodomain region which contains no grain boundary,

wherein said semiconductor device has a S value of 0.03-0.3,

wherein said crystalline semiconductor island includes at least one of hydrogen and halogen element at concentration not higher than $1 \times 10^{20} \text{ cm}^{-3}$,

wherein the semiconductor device includes at least one selected from the group consisting of a p-channel thin film transistor and an n-channel thin film transistor,

wherein the p-channel thin film transistor has a mobility in a range of 200-400 cm^2/Vs while the n-channel thin film transistor has a mobility in a range of 500-1000 cm^2/Vs .

Please add the following new claims:

--145. The thin film transistor according to claim 73 wherein said crystalline semiconductor island includes carbon and nitrogen at a concentration not higher than $5 \times 10^{18} \text{ cm}^{-3}$, and oxygen at a concentration not higher than $5 \times 10^{19} \text{ cm}^{-3}$.

146. The thin film transistor according to claim 73 wherein the thin film transistor is one of a p-channel thin film transistor having a mobility in a range of 200-400 cm^2/Vs and an n-channel thin film transistor having a mobility in a range of 500-1000 cm^2/Vs .

147. The thin film transistor according to claim 80 wherein said crystalline semiconductor island includes carbon and nitrogen at a concentration not higher than $5 \times 10^{18} \text{ cm}^{-3}$, and oxygen at a concentration not higher than $5 \times 10^{19} \text{ cm}^{-3}$.

148. The thin film transistor according to claim 80 wherein the thin film transistor is one of a p-channel thin film transistor having a mobility in a range of 200-400 cm^2/Vs and an n-channel thin film transistor having a mobility in a range of 500-1000 cm^2/Vs .

149. The semiconductor device according to claim 87 wherein said crystalline semiconductor island includes carbon and nitrogen at a concentration not higher than $5 \times 10^{18} \text{ cm}^{-3}$, and oxygen at a concentration not higher than $5 \times 10^{19} \text{ cm}^{-3}$.

150. The semiconductor device according to claim 93 wherein said crystalline semiconductor island includes carbon and nitrogen at a concentration not higher than $5 \times 10^{18} \text{ cm}^{-3}$, and oxygen at a concentration not higher than $5 \times 10^{19} \text{ cm}^{-3}$.

151. The semiconductor device according to claim 99 wherein said crystalline semiconductor island includes carbon and nitrogen at a concentration not higher than $5 \times 10^{18} \text{ cm}^{-3}$, and oxygen at a concentration not higher than $5 \times 10^{19} \text{ cm}^{-3}$.

152. The semiconductor device according to claim 99 wherein the p-channel thin film transistor has a mobility in a range of 200-400 cm^2/Vs and the n-channel thin film transistor has a mobility in a range of 500-1000 cm^2/Vs .

153. The semiconductor device according to claim 105 wherein the p-channel thin film transistor has a mobility in a range of 200-400 cm^2/Vs and the n-channel thin film transistor has a mobility in a range of 500-1000 cm^2/Vs .